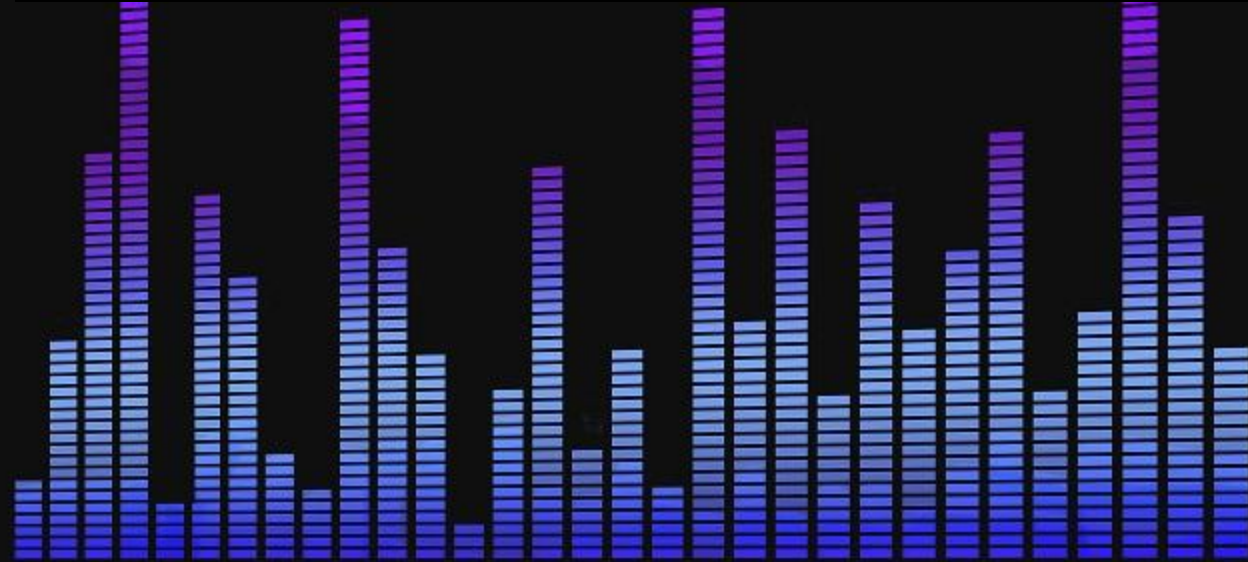


Data Curation Network



Planning a network of expertise model for curating research
data in digital repositories

2016-2017

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Project Update to SHARE Community Meeting

Lisa Johnston, Jake Carlson, Cynthia Hudson--Vitale, Heidi Imker, Wendy Kozlowski, and Claire Stewart

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Rise of the Data Sharing Culture

Researchers are increasingly required/incentivised to share data

- Funder data sharing mandates
- Journal data sharing policies
- Disciplinary practices → increase transparency and reproducibility

Data sharing is not a straightforward process!

Goal of data curation ⇒ Prepare research data in ways that make it useful beyond its original purpose, ensure completeness, and facilitate long-term citability.

Data curation = metadata, documentation, preservation, and more...

Library Role in Data Curation

Data curation services = important role for academic research libraries as we transform our workforce to assume greater digital stewardship responsibilities in the academy.

Libraries can:

- Support deposit into disciplinary data repositories (e.g., ICPSR, GenBank)
- Grow and manage institutional repositories to support the long-tail of data.
- Help prepare data for sharing much earlier in the research life-cycle (e.g., DMP planning, data collection, storage, etc.).

Our Challenge

How to scale data curation services?

Multiple data curation experts are needed to effectively curate the diverse data types of data an IR typically receives.

Data curation expertise needed:

- File format-- GIS, spreadsheet/tabular, statistical/survey, video/audio, computer code
- Discipline-specific-- genomic sequence, chemical spectra, biological image
- Frequency-- Centers of excellence, departmental concentration

Data Curation Network Partners



UNIVERSITY OF MINNESOTA



Washington
University in St. Louis



PennState



Cornell University



UNIVERSITY OF
MICHIGAN



I L L I N O I S

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Building a Data Curation Network

The Data Curation Network will enable academic institutions to better support researchers that are faced with a growing number of requirements to ethically share their research data.

We will

1. Develop a Data Curation Network 'model of expertise' for data curation staff
 - a. Projected staffing, costs, skills sets, and demand necessary for implementation
2. Pilot the model across our six institutions
3. Grow and sustain the Network

Our Phase 1 objectives

- **Underway** → Monitor the demand for curation services at each of our institutions (Univ Minnesota, Cornell Univ, Penn State Univ, Univ of Illinois, Univ of Michigan, and Washington Univ St. Louis) → [baseline report](#) now available.
- **Fall 2016** → Seek input from researchers to better understand how data curation services fit into their research workflow and data management needs through informal engagement activities held in parallel on each of our campuses.
- **Future** → Establish metrics for how to assess the impact of curated data vs non curated

Thanks!

Web: <https://sites.google.com/site/DataCurationNetwork>

Twitter #DataCurationNetwork